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Set Items Description

S1 5494171 S (MEMORY OR MEMORIES OR RAM OR (RANDOM(1W)ACCESS(1W)MEMORY) OR EEPROM? ?
OR READ(1N)WRITE OR DRAM? ? OR SDRAM? ? OR RDRAM? ? OR DIMM? ? OR SODIMM? ? OR ECC OR PRAM
OR SIMM OR DATA()STORE OR DATA()STORAGE OR STORAGE OR READ()ONLY OR CACHE()STORAGE OR
BUFFER OR HD OR HARD()DRIVE OR AREA OR LOCATION OR STORAGE OR COMPACTFLASH OR
SMARTMEDIA OR MEMORY()STICK OR SD()MEMORY OR XD()PICTURE OR CARD OR USB()KEY OR STORAGE
OR STORE OR CACHE OR EPROM? ? OR BUFFER? ? OR DISC? ? OR DISK? ?)
S2 19102 S S1(5N)((SECOND OR 2ND OR TWO OR 2 OR MULTIPLE OR TWOFOLD OR DUAL OR PLURAL OR
PLURALITY OR MULTIPLE? OR MULTI OR PAIR??)(2N)BUFFER? ?) OR GPU OR (GRAPHIC?
?(1W)PROCESS?(1W)UNIT? ?) OR COPROCESSOR? ? OR (COPROCESSOR? ?)(READABLE))
S3 63 S S2(10N)(PAGING OR MAPP???)
S4 4432 S S1(5N)((PROPER OR CORRECT OR RIGHT OR MEET DECOROUS OR DISCREET? ? OR BELONG?
FIT OR FITTING)(3N)(LOCATION? OR ADDRESS? ? OR SPACES? ? OR POSITION? ? OR REGION? ?))
S5 58750 S S1(5N)(INDICATOR? OR POINTER? ? OR INDEX? OR GAUGE OR BELLWETHER? ? OR
DETECTOR? ?)
S6 63 S S3 AND S2
S7 0 S S6 AND S4
S8 5 S S6 AND S5

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Subject summary

8/3,K/1 (Item 1 from file: 8) [Links](#)

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Ei Compendex(R)

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11266923 E.I. No: EIP06411015990

Title: Front-end electronics for PWO-based PHOS calorimeter of ALICE

Author: Muller, Hans; Budnikov, Dmitry; Ippolitov, Mikhail; Li, Qingxia; Manko, Vladislav; Pimenta, Rui; Rohrich, Dieter; Sibiriyak, Iouri; Skaali, Bernhard; Vinogradov, Alexandre

Corporate Source: CERN Division PH, Geneva, Switzerland

Source: Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment v 567 n 1 SPEC. ISS. Nov 1 2006. p 264-267

Publication Year: 2006

CODEN: NIMAER ISSN: 0168-9002

DOI: 10.1016/j.nima.2006.05.104

DOI: [10.1016/j.nima.2006.05.104](#)

Language: English

Abstract: ...an isolated warm volume in geometrical correspondence to 2 multiplied by 16 crystal rows per card. With a total detector capacitance of 100 pF and a noise level of 3 MeV, the FEEs cover a... ..second-order, dual-gain shapers produce semi-Gaussian output for 10 bit ADCs with embedded multi-event buffers. A Readout Control Unit (RCU) masters data readout with address-mapped access to the event-buffers and controls registers via a custom bus which interconnects up...

8/3,K/2 (Item 1 from file: 2) [Links](#)

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INSPEC

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10203497

Title: Front-end electronics for PWO-based PHOS calorimeter of ALICE

Author Muller, H.; Budnikov, D.; Ippolitov, M.; Qingxia Li; Manko, V.; Pimenta, R.; Rohrich, D.; Sibiriyak, I.; Skaali, B.; Vinogradov, A.

Author Affiliation: CERN, Geneva, Switzerland

Journal: Nuclear Instruments & Methods in Physics Research, Section A (Accelerators, Spectrometers, Detectors and Associated Equipment) vol.567, no.1 p. 264-7

Publisher: Elsevier

Publication Date: 1 Nov. 2006 Country of Publication: Netherlands

CODEN: NIMAER ISSN: 0168-9002

SICI: 0168-9002(20061101)567:1L:264:FEBP;1-J

Material Identity Number: G700-2006-021

Item Identifier (DOI): [10.1016/j.nima.2006.05.104](#)

Language: English

Subfile: A B

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Abstract: ...crystals in an isolated warm volume in geometrical correspondence to 2*16 crystal rows per card. With a total detector capacitance of 100pF and a noise level of 3MeV, the FEEs cover a 14bit dynamic... ..The second-order, dual-gain shapers produce semi-Gaussian output for 10bit ADCs with embedded multi-event buffers. A Readout Control Unit (RCU) masters data readout with address-mapped access to the event-buffers and controls registers via a custom bus which interconnects up...

8/3,K/3 (Item 2 from file: 2) [Links](#)

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INSPEC

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02970200 INSPEC Abstract Number: A83001188, B83004519, C83001422

Title: A large capacity, high-speed multiparameter multichannel analysis system

Author Hendricks, R.W.; Seeger, P.A.; Scheer, J.W.; Suehiro, S.

Author Affiliation: Metals & Ceramics Div., Oak Ridge Nat. Lab., Oak Ridge, TN, USA

Journal: Nuclear Instruments and Methods in Physics Research vol.201, no.1 p. 261-79

Publication Date: 1 Oct. 1982 Country of Publication: Netherlands

CODEN: NIMRD9 ISSN: 0167-5087

Conference Title: Proceedings of the International Conference on X-Ray Detectors for Synchrotron Radiation

Conference Date: 17-21 Nov. 1980 Conference Location: Hamburg, West Germany

Language: English

Subfile: A B C

Abstract: ...at continuous and pulsed neutron sources. Modules which have been developed to date include a buffer for two-dimensional position-sensitive detectors, a mapper for high-speed coordinate transformations, a buffered time-of-

flight clock, a time-correlator for...

8/3,K/4 (Item 3 from file: 2) [Links](#)

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02916545 INSPEC Abstract Number: A82084767, B82049077, C82034087

Title: A large capacity, high-speed multiparameter multichannel analysis system

Author Hendricks, R.W.; Seeger, P.A.; Scheer, J.W.; Suehiro, S.

Author Affiliation: Metals & Ceramics Div., Oak Ridge Nat. Lab., Oak Ridge, TN, USA

Journal: Nuclear Instruments and Methods in Physics Research vol.195, no.1-2 p. 381

Publication Date: 1 April 1982 Country of Publication: Netherlands

CODEN: NIMRD9 ISSN: 0167-5087

Conference Title: Proceedings of the Second National Conference on Synchrotron Radiation Instrumentation

Conference Date: 15-17 July 1981 Conference Location: Ithaca, NY, USA

Language: English

Subfile: A B C

Abstract: ...at continuous and pulsed neutron sources. Modules which have been developed to date include a buffer for two-dimensional position-sensitive detectors, a mapper for high-speed coordinate transformations, a buffered time-of-flight clock, a time-correlator for...

8/3,K/5 (Item 1 from file: 34) [Links](#)

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15728986 Genuine Article#: 099ZJ No. References: 4

Front-end electronics for PWO-based PHOS calorimeter of ALICE

Author: Muller H (REPRINT) ; Budnikov D; Ippolitov M; Li QX; Manko V; Pimenta R; Rohrich D; Sibiryak L; Skaali B; Vinogradov A

Corporate Source: CERN,Div PH,Geneva//Switzerland/ (REPRINT); CERN,Div PH,Geneva//Switzerland/; Univ

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Huazhong Univ Sci & Technol,Wuhan 430074//Peoples R China/; Univ Bergen,Dept Phys,Bergen//Norway/

Journal: NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT , 2006 , V 567 , N1 (NOV 1) , P 264-267

ISSN: 0168-9002 Publication date: 20061101

Publisher: ELSEVIER SCIENCE BV , PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Abstract: ...in an isolated warm volume in geometrical correspondence to 2 x 16 crystal rows per card. With a total detector capacitance of 100 pF and a noise level of 3 MeV, the FEEs cover a... ..second-order, dual-gain shapers produce semi-Gaussian output for 10 bit ADCs with embedded multi-event buffers. A Readout Control Unit (RCU) masters data readout with address-mapped access to the event-buffers and controls registers via a custom bus which interconnects up...

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